PROJECT DESCRIPTION THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 85 (BUCKEYSTOWN PK) AT ENGLISH MUFFIN WAY IN FREDERICK COUNTY. MD 85 IS BEING WIDENED ON THE EAST AND WEST SIDES NORTH OF ENGLISH MUFFIN WAY. DUE TO THE WIDENING A NEW CABINET. POLE. AND HANDHOLE NEED TO BE INSTALLED IN THE NE QUADRANT. NEW SETBACK PROBES ARE BEING INSTALLED FOR THE SB DIRECTION. INTERSECTION OPERATION A CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION OPERATION IS NOT CHANGING AT THIS TIME. THE INTERSECTION WILL CONTINUE TO OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES. THE MD 85 THROUGH MOVEMENTS OPERATE CONCURRENTLY. SPECIAL NOTES 1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS: PROJECT CONTACTS: MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 624-8140 MR. ERIC ECKHARDT. ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (301) 624-8200 MR. RAYMOND F. JOHNSON. ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 624-8105 MS. ANDREA ABEND, UTILITY ENGINEER PHONE: (301) 624-8115. MR. RICHARD L. DAFF. SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. EDWARD RODENHIZER. SUPERVISOR. SIGNAL OPERATIONS PHONE: (410) 787-7652 THE POWER COMPANY REPRESENTATIVE IS: ALLEGHENY POWER MR. BRANDON WARENFELTZ 421 E. PATRICK STREET FREDERICK, MD 21701 2. THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT 410-787-7635 TO ARRANGE FOR THE PHONE DROP INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET NUMBER. ZIP CODE. AND TELEPHONE NUMBER. **EQUIPMENT LIST** A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION. B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR. QUANTITY UNITS DESCRIPTION MAINTENANCE OF TRAFFIC. 2 EA 27 FT. STEEL MAST ARM POLE WITH A 50 FT. MAST ARM. STANDARD S.H.A. TRAFFIC SIGNAL CONTROLLER, BASE MOUNTED CABINET, VIDEO DETECTION INTERFACE, AND 4-CHANNEL RACK MOUNTED LOOP DETECTOR AMPLIFIER [Note: CONTROLLER AND CABINET SHALL BE PURCHASED FROM ECONOLITE AND DELIVERED TO THE S.H.A. SIGNAL SHOP FOR WIRING AND TESTING. CONTACT MR. ED RODENHIZER (410) 787-7650]. 12 IN., ONE-WAY, THREE SECTION L.E.D. (R,Y,G) ADJUSTABLE BLACK FACED TRAFFIC SIGNAL HEAD WITH MAST ARM MOUNTING HARDWARE AND TUNNEL VISORS. VIDEO DETECTION CAMERA AND CABLE. (1 - 100 LF. 1 - 200 LF) VIDEO DETECTION CAMERA CABLE FOR EXISTING CAMERA. (1 - 300 LF. 1 - 400 LF) 1 EA 20 FT. LUMINARIES ARM 250W HPS LAMP AND LUMINARIES 30 IN. X 51 IN. SHIELD ASSEMBLY SIGN FOR GROUND MOUNTING. 48 IN. X 75 IN. SHIELD ASSEMBLY SIGN FOR GROUND MOUNTING. NON-INVASIVE PROBE (SET OF 3) WITH 1000 FT. LEAD-IN CABLE. TEST PIT EXCAVATION. HANDHOLE. 1-CONDUCTOR ELECTRICAL CABLE (No. 4 A.W.G.). 2-CONDUCTOR ELECTRICAL TRAY CABLE (No. 12 A.W.G.). 5-CONDUCTOR ELECTRICAL CABLE (No. 14 A.W.G.). 7-CONDUCTOR ELECTRICAL CABLE (No. 14 A.W.G.). BARE COPPER STRANDED GROUND WIRE (No. 6 A.W.G.). 2 IN. WEATHERHEAD. 2 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED. 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED. 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED. 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED. 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED. 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - SLOTTED IN THE ROADWAY. CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT. GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH. ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 V. ONE PHASE. THREE WIRE SYSTEM) FOR AN (UNDERGROUND) ELECTRICAL POWER SERVICE AS PER MD-SHA TYPICAL NO. (807.05-01) (200 AMP. ELECTRICAL PEDESTAL). 40 LF 24 IN. WIDE HAPPTPM - WHITE FOR STOP LINE. 4 IN. x 4 IN. WOOD SIGN SUPPORT CUT, CLEAN AND CAP MAST ARM POLE. The Traffic Group, Inc. RELOCATE EXISTING OVERHEAD SIGN.

Suite H

9900 Franklin Square Drive Baltimore, Maryland 21236 410-931-6600

> 1-800-583-8411 Fax 410-931-6601

"Merging Innovation and Excellence"®

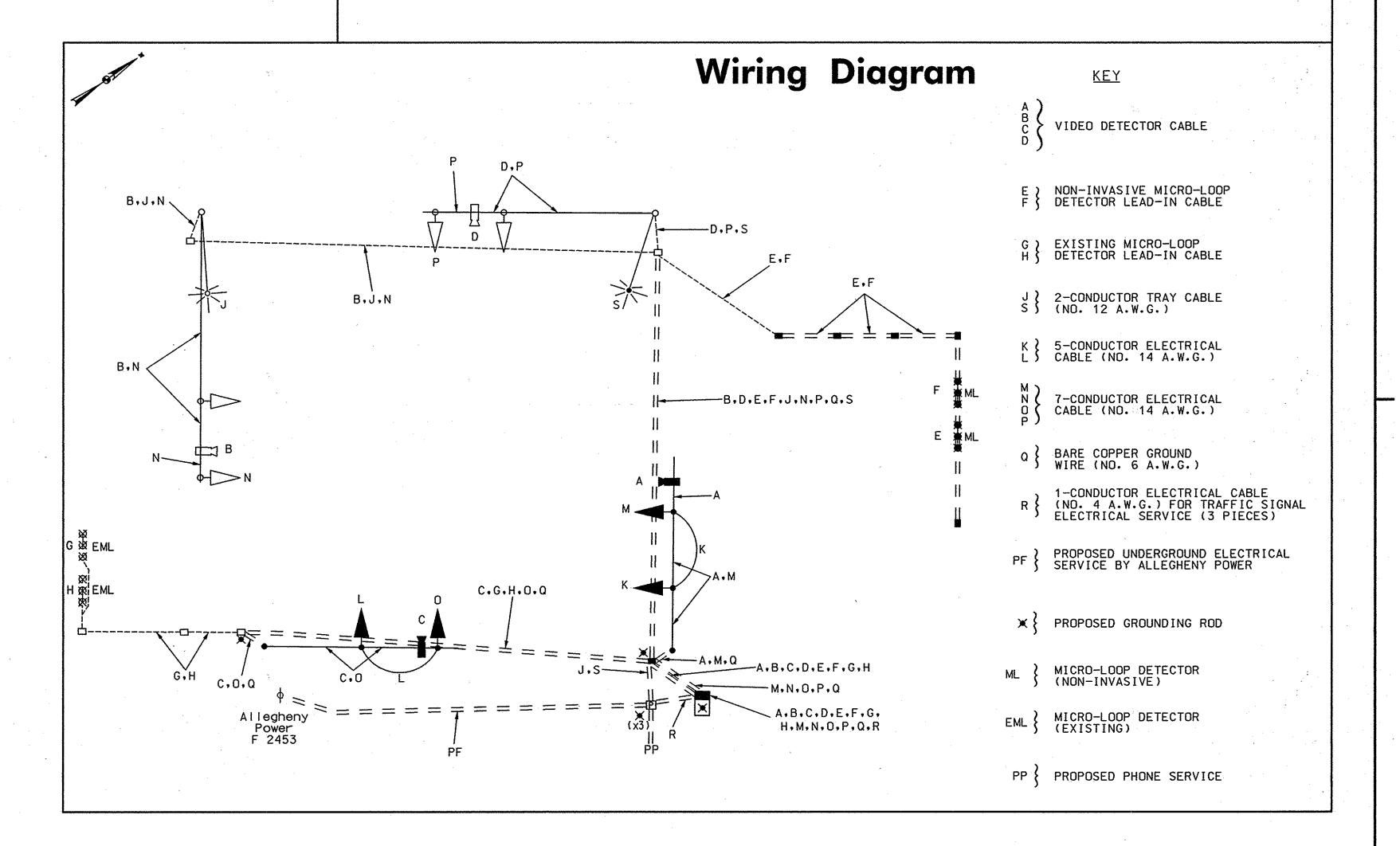
REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATION 12 INCHES BELOW GRADE.

REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT.

Lump Sum LS

Phase Chart

PHASE 2 AND 6	G	G	G	G	R	R	R	R	
2 AND 6 CHANGE	Υ	Υ	Y	Υ	R	R	R	R	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	A +
4 AND 8 CHANGE	R	R	R	R	Υ	Υ	Υ	Υ	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	+ Δ + + Δ + + Δ





STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION



MD 85 (BUCKEYSTOWN PK.) AT ENGLISH MUFFIN WAY

GE	NERAL IN	IFORMAT	ION	PLAN	
SCALE NA	DATE	AUGUST 7, 2008	CONTRACT	NO	BW996M82
DESIGNED BY DRAWN BY CHECKED BY F.A.P. NO	J. STORCK C S W	LOGMILI TIMS NO	, E D D	10085007 J100	.25
TS NO. 3664C-GI	DRAWING -	- OF	SHEET	NO.	2 OF 2